

GUEST SPEAKER:

**PETER KARIHER
ARCADIS GERAGHTY & MILLER
RESEARCH TRIANGLE PARK, NC**

RESIDENTIAL INDOOR COOKING EXPOSURES

LOCATION: CAL/EPA BUILDING
ROOM 710, CONFERENCE ROOM
1010 - I STREET, SACRAMENTO

DATE: DECEMBER 14, 2000

TIME: 9:30 – 11:00 AM

Peter Kariher of ARCADIS Geraghty & Miller will present results from the recent ARB-funded study of indoor and personal exposures during cooking in a test home. Cooking has been identified in previous studies as a major source of indoor and personal exposures to PM. The use of gas stoves has been associated with asthma attacks. This is the first comprehensive study of cooking exposures and emission rates in a home environment, and involves a wide range of cooking activities. This is also one of the first studies to measure significant aldehyde exposures from cooking with both gas and electric ovens.

Mr. Kariher will discuss the following results from the study:

- Indoor exposures to PM (12 sizes, 0.04-10 μm), PM_{2.5}, and PM₁₀.
- Indoor exposures to NO₂, CO, PAH, and aldehydes.
- PAHs in cooking oils.
- Typical and worst-case exposures.
- Gas vs. electric stoves.
- Personal exposures vs. indoor concentrations.
- How to reduce your exposure while cooking your holiday meals.

Seating is limited to about 30 persons. Please contact Tom Phillips at (916) 322-7145 for additional details.